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NCR ID: ECSed39546         Status: MERGED                Submitted: 040217
NCR Class: OPERATIONS      Project: OPS_DPool             Enclosures: 6

NCR TITLE...
  Too many cksum processes on drg platform

PROBLEM INFORMATION...                    COST ANALYSIS INFORMATION...
  Build Name[*]: Drop 7                     Cost[*]: LOW
  Test Site[*]: PVC                         Estimated Fix Time(hrs): 12
  Detection Method[*]: Planned Test         Estimated Fix Date(yymmdd): 040220
  Detected-In-Phase[*]: Integration         Est Num_SLOC: 0
  Test Case ID: #                           Revised Fix Time (Hrs): 12
  Machine Name: p0drg01                     Revised Fix Date (yymmdd): 040220
  Severity (1=Showstopper)[*]: 2          TO BE FIXED INFORMATION...
  Priority: 027  Priority Date: 040219      Problem type[*]: source code
  High Priority: 027  Mode [*]: TS1         Recommended change[*]: source code
  Trouble Ticket: N/A                       Implement Due Date (yymmdd):
  DAAC Trouble Ticket:                      Eng SW Release Name: TBD
  Submitter:  jfarley                       Eng SW Release Date (yymmdd):
ANALYSIS INFORMATION...                     Quality of NCR: 1
  Evaluate Engineer: jfarley                Workaround Available? N
  Assigned To:  sshargor
  Analysis Due Date(yymmdd): 040218                             Page 1/2

NCR Class: OPERATIONS      Project: OPS_DPool            Forwarded 040218

MERGE INFORMATION..
  Resolution[*]: source code
  Resolved by: sshargor
  Iteration: Drop 7
  Indicate_SLOC[*]: Combination
  Num_SLOC: 101
  Fixing time (hrs): 16
  Affect CSCI: DPL
  Merge Build Id: M040217014
  Documentation affected (Y/N)? N
  Fix Date (yymmdd): 040219
  Patch Release Name: TBD
  Patch Release Date (yymmdd): 040220
  TE SW Release Name: TBD
  TE SW Release Date (yymmdd):
FORWARDING INFORMATION...
  Old class:  REL_B0_INFORMAL
  Old project:  RelB0_DPool


  Forwarded by: Kathleen Carr

************ Problem (Modified 040218 by kcarr) ***********
During load testing over 20 cksum processes were running on p0drg01.
Each was consuming 20% of a cpu.  With only 3 cpus the box was
completely overloaded.

Need to limit number of cksum processes started by the
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quickserver/CheckSumServer.

NOTE: Subsequent to finding this problem in the PVC, Tom Wood called to
say they had the same problem at EDC.

************ Impact (Added 040217 by jfarley) ***********
Machine overloaded. No ingests or distributions were completing.

************ Analysis (Added 040217 by sshargor) ***********
Please describe your Analysis:
QuickServer/CheckSum server should have a configuration parameter to
limit the number of concurrent system calls that it makes.

************ Resolution (Added 040219 by sshargor) ***********
Please describe your resolution to this problem:
Added MAXIMUM_CONCURRENT_TASKS configuration parameter for
EcDlQuickServer/EcDlChecksumServer, made the server execute at most that
many concurrent system commands.

************ Previous Merge Build IDs (Added 040219 by sshargor) ***********
Please enter any related Merge Build ID(s) information:

1)M040217014 - 6A08EBF1

2)M040217013 - 6A08

3)M040217012 - relb

4)

************ IPT History (Added 040219 by dstepp) ***********
2/18/04: TE Requested. Added config. parameter for
EcD1cDlQuickServer/EcDlChecksumServer, made the server execute many
concurrent system commands.

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************* History *************
xddts     040217 161013 Submitted to RelB0_DPool by jfarley
xddts     040217 161113 Enclosure "Problem" added by jfarley
xddts     040217 161142 Enclosure "Impact" added by jfarley
xddts     040217 161159 N -> A (Assigned-to sshargor) by jfarley
xddts     040217 162658 Fields modified by adupree
xddts     040217 195301 Enclosure "Analysis" added by jfarley
xddts     040217 195302 A -> R (Recommend-change = source code) by sshargor
xddts     040218 151121 Forwarded from RelB0_DPool to OPS_DPool by kcarr
xddts     040218 151259 Enclosure "Problem" edited by kcarr
batchbug 040218 202952 Priority changed to 25 by ddts
xddts     040218 214608 Fields modified by dstepp
xddts     040219 095638 Enclosure Resolution added by sshargor
xddts     040219 095749 Enclosure Previous Merge Build IDs added by sshargor
xddts     040219 095749 R -> M (Merged) by sshargor
xddts     040219 121041 Enclosure "IPT History" added by dstepp
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